

Title (en)

Method for the purification of vitamin K-dependent proteins

Title (de)

Verfahren zur Reinigung von Vitamin K-abhängigen Proteinen

Title (fr)

Méthode pour la purification de protéines dépendantes de la vitamine K

Publication

EP 0363126 B2 20020306 (EN)

Application

EP 89310061 A 19891002

Priority

- US 25327988 A 19881004
- US 39328189 A 19890816

Abstract (en)

[origin: EP0363126A2] The recovery of vitamin K-dependent proteins produced by transformed microorganisms can be effected from the cell culture medium utilizing the changes in the protein which occur in the presence of divalent cations. The present process uses divalent cations to alter the binding affinity of the proteins and thereby selectively elute the proteins away from contaminants in the culture medium using standard chromatography.

IPC 1-7

C07K 1/18

IPC 8 full level

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CPC (source: EP KR US)

C07K 1/00 (2013.01 - KR); **C07K 14/745** (2013.01 - EP US); **C12N 9/647** (2013.01 - EP US); **C12N 9/6481** (2013.01 - EP US)

Cited by

WO2010063717A1; CN103814137A; AU2012322949B2; CN108472406A; DE4406515C1; EP0669342A3; EP2753706A4; CN102239175A; AU2009324204B2; EP1449537A3; US6034222A; AT406865B; US5700914A; CN1039231C; US5714583A; EP1571208A1; AU2014230101B2; US10202416B2; US10202417B2; US8399632B2; EP0445939A1; WO2013053887A1; WO2013053888A1; WO9422905A1; US9598687B2; US9896677B2; US9187549B2; US9701710B2; US10723761B2; US9624261B2; US9868761B2; US10378004B2; WO2008104372A1; WO2007071767A1; WO9640883A1; WO2014140289A1; US10759866B2; US10808037B1; US10906986B2; US11078294B2; US11639395B2; EP2188302B1

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